

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A ~~recording~~ computer readable medium ~~having~~ storing a data structure for managing reproduction of at least one of video and audio data performed by a reproduction device, comprising:

 a data area for storing the at least one of video and audio data; and

 a navigation area, separate from the data area, for storing at least one navigation file, the navigation file including navigation commands for managing reproduction of the at least one of video and audio data, the navigation file providing forming different parental control of the at least one of video and audio data reproduction paths.
2. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein the at least one of video and audio data forms different parental control reproduction paths, the navigation commands instruct playback of at least one playlist recorded on the ~~recording~~ computer readable medium for each different parental control reproduction path, each playlist representing at least a portion of at the least one of audio and video data recorded on the ~~recording~~ computer readable medium.
3. (Currently Amended) The ~~recording~~ computer readable medium of claim 2, wherein the navigation commands are divided into navigation command groups, and at least one of the

navigation command groups being associated with only one of the different parent control reproduction paths.

4. (Currently Amended) The ~~recording~~ computer readable medium of claim 2 ~~4~~, wherein the navigation commands selectively determine which playlist from a group of at least two playlists recorded on the ~~recording~~ computer readable medium to playback based on a selected parental control reproduction path.

5. (Currently Amended) The ~~recording~~ computer readable medium of claim 3, wherein the navigation commands selectively determine which of the playlists to playback based on user input indicating ~~the~~ a selected parental control reproduction path.

6. (Currently Amended) The ~~recording~~ computer readable medium of claim 2 ~~4~~, wherein the navigation commands are divided into navigation command groups, and each of the different parental control reproduction paths ~~has~~ includes at least one navigation command group associated therewith.

7. (Currently Amended) The ~~recording~~ computer readable medium of claim 6, wherein each navigation command group associated with a different parental reproduction path is associated with only one of the different parental reproduction paths.

8. (Currently Amended) The ~~recording~~ computer readable medium of claim 6, wherein a number of the navigation command groups selectively determine which playlist from a group of

at least two playlists recorded on the ~~recording~~ computer readable medium to playback based on a selected parental control reproduction path.

9. (Currently Amended) The ~~recording~~ computer readable medium of claim 8, wherein the number of the navigation command groups selectively determine which of the playlists to playback based on user input indicating the selected parental control reproduction path.

10. (Currently Amended) The ~~recording~~ computer readable medium of claim 2 ~~1~~, further comprising:

a playlist area storing at least one playlist associated with each of the different parental control reproduction paths, each playlist identifying at least a portion of a clip file forming at least a portion of the least one of audio and video data recorded on the ~~recording~~ computer readable medium.

11. (Currently Amended) The ~~recording~~ computer readable medium of claim 10, wherein each playlist is associated with only one of the different parental control reproduction paths.

12. (Currently Amended) The ~~recording~~ computer readable medium of claim 10, wherein at least two playlists, each associated with a different one of the different parental control reproduction paths, identify a same clip file.

13. (Currently Amended) The ~~recording~~ computer readable medium of claim 10, wherein at least two playlists, each associated with a different one the different parental control reproduction paths, identify a same portion of a same clip file.

14. (Currently Amended) The ~~recording~~ computer readable medium of claim 2 ~~10~~, wherein at least two playlists, each associated with a different one of the different parental control reproduction paths, identify different clip files representing a same portion of a title.

15. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein the navigation file further includes a length indicator indicating a length of the navigation file.

16. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein the navigation file further includes an attribute indicator providing an indication of at least one attribute of the navigation file.

17. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein the navigation commands are divided into navigation command groups, and the navigation file further includes a number of navigation command groups indicator indicating a number of the navigation command groups in the navigation file.

18. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein the navigation commands are divided into navigation command groups and the navigation file further includes a length indicator indicating a length of the navigation file, an attribute indicator providing an indication of at least one attribute of the navigation file, and a number of navigation command groups indicator indicating a number of the navigation command groups in the navigation file.

19. (Currently Amended) A method of recording a data structure for managing reproduction of at least one of video and audio data on a ~~recording~~ computer readable medium, comprising:

recording the at least one of video and audio data in a data area of the computer readable medium;

recording at least one navigation file in a navigation area of ~~on~~ the ~~recording~~ computer readable medium, separate from the data area, wherein the recording at least one navigation file includes:

~~recording the navigation file including~~ navigation commands for managing reproduction of the at least one of video and audio data; and

~~recording the navigation file providing forming different~~ parental control of the at least one of video and audio data reproduction paths.

20. (Currently Amended) A method of reproducing a data structure for managing reproduction of at least one of video and audio data recorded on a computer readable ~~recording~~ medium, comprising:

reproducing at least one navigation file recorded in a navigation area of ~~on~~ the computer readable ~~recording~~ medium; and

reproducing the at least one of video and audio data recorded in a data area of the computer readable medium, separate from the navigation area, wherein the reproducing at least one navigation file includes:

~~reproducing the navigation file including~~ navigation commands for managing reproduction of the at least one of video and audio data; and

~~reproducing the navigation file providing forming different~~ parental control of the at least one of video and audio data reproduction paths.

21. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least one of video and audio data on a ~~recording~~ computer readable medium, comprising:

~~a driver for driving a~~ a[[n]] pickup optical recording device configured to record data in a data area of-on the recording computer readable medium;

~~a controller, operably coupled to the pickup, configured to control for controlling the driver the pickup~~ to record at least one navigation file in a navigation area of-on the recording computer readable medium, separate from the data area, wherein the controller controls the pickup to record-the navigation file including navigation commands for managing reproduction of the at least one of video and audio data and information for providing-forming different parental control of the at least one of video and audio data in the navigation file-reproduction paths.

22. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of at least one of multiple reproduction path video and audio data recorded on a ~~recording~~ computer readable medium, comprising:

~~a driver for driving a~~ a[[n]] pickup optical reproducing device configured to reproduce data recorded in a data area of-on the recording computer readable medium;

~~a controller, operably coupled to the pickup, configured to control for controlling the driver the pickup~~ to reproduce at least one navigation file recorded on a navigation area of the recording computer readable medium, separate from the data area, wherein the controller controls the pickup to reproduce-the navigation file including navigation commands for managing reproduction of the at least one of video and audio data and information for providing

~~forming different~~ parental control of the at least one of video and audio data, included in the navigation file reproduction paths.

23. (New) The apparatus of claim 21, wherein the at least one of video and audio data forms different parental control reproduction paths, and the navigation commands instruct playback of at least one playlist recorded on the computer readable medium for each different parental control reproduction path, each playlist representing at least a portion of at the least one of audio and video data recorded on the computer readable medium.

24. (New) The apparatus of claim 23, wherein the controller determines a path number for each playlist and a user is requested to select which different parental control reproduction path to reproduce.

25. (New) The apparatus of claim 23, wherein the navigation commands are divided into navigation command groups, and at least one of the navigation command groups being associated with only one of the different parent control reproduction paths.

26. (New) The apparatus of claim 21, wherein the navigation commands selectively determine which playlist from a group of at least two playlists recorded on the computer readable medium to playback based on a selected parental control reproduction path.

27. (New) The apparatus of claim 22, wherein the at least one of video and audio data forms different parental control reproduction paths, and the apparatus further comprises:

an interface unit configured to communicate with the controller to select one of the different parental control reproduction paths.

28. (New) The apparatus in claim 27, wherein the interface unit receives user input on the different parental control reproduction paths, and the controller controls the reproduction of the at least one of video and audio data based on the user input.

29. (New) The apparatus in claim 22, wherein the navigation commands instruct playback of at least one playlist recorded on the computer readable medium for each different parental control reproduction path, each playlist representing at least a portion of at the least one of the audio and video data recorded on the computer readable medium.